

COMBUSTION SYSTEM WITH LOW POLLUTING EMISSIONS

Abstract

Combustion system (10) for a gas turbine equipped with a
10 premixing chamber (12) for air which is mixed with the
fuel injected from a series of holes (11) creating a main
central flame which is formed in a flame tube (14), the
premixing chamber (12) is convergent towards a connection
end with a combustion chamber comprising the flame tube
15 (14), the combustion system (10) comprises a series of
pilot devices (20) with premixing of the fuel gas, which
create a series of corresponding pilot flames suitable
for stabilizing the main central flame itself, at the
same time reducing the polluting emissions.